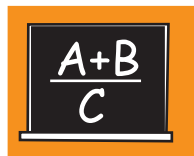


Functional Independence

Fall 2013



Mathematics

Item Descriptors

Grade 5

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DIRECTIONS: Read each question. Choose the **BEST** answer for each question.

NOTE: For each item listed throughout this booklet, the first statement is a summary of the Michigan Extended Grade Level Content Expectation (EGLCE) and the second statement or problem is the descriptor for the item's stem or question.

- 1 N.ME.04.FI.EG07:** Use ordinals to identify position in a sequence

Name shape in given position

- A** shape one position to the left
- B** correct
- C** shape one position to the right

- 2 N.MR.04.FI.EG09:** Create, describe, and extend simple number patterns

Determine next number in skip-counting pattern

- A** under by 8
- B** under by 3
- C** correct

- 3 N.ME.04.FI.EG06:** Count to 1,000 by 1s and to 100 by 2s, 5s, and 10s

Find missing number in addition skip-counting pattern

- A** skip counted by one
- B** correct
- C** skip counted by three

- 4 N.ME.04.FI.EG05:** Compare and order numbers to 1,000

Compare two 2-digit numbers

- A** correct
- B** incorrect comparison
- C** incorrect comparison

- 5 N.ME.04.FI.EG08:** Identify and place whole numbers on a number line that begins at zero

Identify shape at given location on number line

- A** incorrect shape
- B** correct
- C** incorrect shape

- 6 M.PS.04.FI.EG06:** Solve one-step word problems

Add two weights

- A** subtracted
- B** correct
- C** twice the second addend

- 7 N.ME.04.FI.EG05:** Compare and order numbers to 1,000

Identify greatest number in context

- A** intermediate value
- B** least value
- C** correct

- 8 G.LO.04.FI.EG02:** Describe and use relative position of objects on a plane and in space

Determine relative position of two objects

- A** correct
- B** incorrect position
- C** incorrect position

- 9 M.UN.04.FI.EG03:** Measure lengths to the nearest inch

Measure length to nearest inch

- A** 1 inch shorter
- B** correct
- C** 2 inches longer

- 10 M.UN.04.FI.EG07:** Identify different denominations of coins and bills

Identify photo of bill that is worth enough for given purchase

- A** bill with least value
- B** bill with insufficient value
- C** correct

- 11 M.PS.04.FI.EG09:** Tell the amount of money

Match dollar and cents notation to bills and coins

- A** correct
- B** correct bill, incorrect coins
- C** no bill, incorrect coins

- 12 M.PS.04.FI.EG10:** Add and subtract money in dollars only or in cents only

Add money in cents

- A** subtracted
- B** incorrect addition in tens place
- C** correct

- 13 M.PS.04.FI.EG09:** Tell the amount of money

Match bills to \$ notation

- A** 10-dollar bill = \$1
- B** correct
- C** 10-dollar bill = \$11

- 14 G.GS.04.FI.EG01:** Identify, describe, and compare two-dimensional shapes

Identify set of 2-D shapes

- A** incorrect set
- B** incorrect set
- C** correct

- 15 D.RE.04.FI.EG03:** Solve problems using data in tables, graphs, tallies, and pictographs

Read pictograph with scale of 1

- A** sum of first two categories, not all three
- B** sum of last two categories, not all three
- C** correct

- 16 D.RE.04.FI.EG02:** Read tables, graphs, tallies, and pictographs

Interpret bar graph

- A** number of categories
- B** correct
- C** included other category in total

- 17 M.UN.04.FI.EG05:** Tell time on a radial or digital clock to the hour

Tell time on radial clock

- A** one hour earlier
- B** correct
- C** location of minute hand

- 18 M.UN.04.FI.EG02:** Select appropriate units of measure

Identify unit for length

- A** unit of volume (capacity)
- B** correct
- C** unit of volume (capacity)

- 19 N.FL.04.FI.EG15:** Apply estimation in solving problems

Estimate difference

- A** correct
- B** overestimate
- C** overestimate

- 20 N.MR.04.FI.EG14:** Solve simple open sentences for addition and subtraction

Add 2-digit number to 1-digit number

- A** $1 = 10$
- B** correct
- C** incorrect sum

- 21 M.PS.04.FI.EG04:** Measure and compare lengths and weights

Compare lengths of two objects

- A** incorrect comparison
- B** incorrect comparison
- C** correct

- 22 N.ME.04.FI.EG01:** Read, write, and count whole numbers to 1,000

Translate word form of number into standard form

- A** tens = hundreds
- B** correct
- C** transposed ones place and tens place

- 23 N.ME.04.FI.EG04:** Express numbers to 1,000 using place value

Translate standard form to expanded form

- A** $abc = a + b + c$
- B** $abc = a00 + b + c$
- C** correct

- 24 N.ME.04.FI.EG01:** Read, write, and count whole numbers to 1,000

Translate standard form to word form

- A** 10 under
- B** correct
- C** $1 = 10$

- 25 N.ME.04.FI.EG03:** Represent whole numbers to 1,000

Given key, identify diagram that shows number

- A** correct
- B** hundreds and tens = ones
- C** ones = hundreds hundreds = ones

- 26 N.FL.04.FI.EG11:** Add and subtract two numbers with 1 or 2 digits each

Subtract two 1-digit numbers

- A** incorrect subtraction
- B** correct
- C** added

- 27 N.MR.04.FI.EG13:** Model addition and subtraction for numbers less than 100

Translate addition sentence into words

- A** correct
- B** subtraction
- C** subtraction

- 28 N.ME.04.FI.EG02:** Recognize equivalent representations for whole numbers to 1,000

Given key, identify diagram that shows number

- A** one hundred block too few
- B** tens = ones ones = tens
- C** correct

- 29 M.PS.04.FI.EG10:** Add and subtract money in dollars only or in cents only

Add with money in context

- A** correct
- B** addends
- C** number of addends

- 30 N.MR.04.FI.EG16:** Select appropriate numbers to solve problems

Determine number of books read by two students given number of books read by three students

- A** correct
- B** over by 1 or included incorrect student
- C** over by 2 or included incorrect student







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